CLAIMS

1. A base station apparatus comprising:

a receiver that receives channel quality information transmitted from a communication terminal apparatus; and

a setter that sets a modulation and coding scheme based on a plurality of received pieces of channel quality information.

2. The base station apparatus according to claim 1, wherein the setter comprises:

a judger that judges whether or not a predetermined number of consecutively received pieces of channel quality information are the same among the plurality of received pieces of channel quality information; and

a determiner that determines a modulation and coding scheme according to a result of judgment.

3. The base station apparatus according to claim 1, wherein the setter comprises:

a storage that stores the plurality of received pieces of channel quality information;

an acquire that acquires position information indicative of a position of the communication terminal apparatus of the time each of the plurality of received pieces of channel quality information is transmitted;

an averaging section that averages the plurality of pieces of channel quality information stored, for each position indicated in the position information acquired;

and

a determiner that determines a modulation and coding scheme according to the channel quality information averaged.

4. The base station apparatus according to claim 1, wherein the setter comprises:

a judger that judges whether or not a predetermined number of consecutively received pieces of channel quality information are the same among the plurality of received pieces of channel quality information;

a storage that stores the plurality of received pieces of channel quality information;

an acquire that acquires position information indicative of a position of the communication terminal apparatus of the time each of the plurality of received pieces of channel quality information is transmitted;

an averaging section that averages the plurality of pieces of channel quality information stored, for each position indicated in the position information acquired;

a comparator that compares with a predetermined threshold, an amount of storage of the stored channel quality information ;

a selector that selects either one from a result of judgment and the channel quality information averaged, corresponding to a result of comparison; and

a determiner that determines a modulation and coding scheme according to the either one selected.

5. The base station apparatus according to claim 1, wherein the setter comprises:

a judger that judges whether or not a predetermined number of consecutively received pieces of channel quality information are the same among the plurality of received pieces of channel quality information;

a storage that stores the plurality of received pieces of channel quality information;

an acquire that acquires position information indicative of a position of the communication terminal apparatus of the time each of the plurality of received pieces of channel quality information is transmitted;

an averaging section that averages the plurality of pieces of channel quality information stored, for each position indicated in the position information acquired;

a comparator that compares with a predetermined threshold, a reception error rate of the received channel quality information;

a selector that selects either one from a result of judgment and the channel quality information averaged, corresponding to a result of comparison; and

a determiner that determines a modulation and coding scheme according to the either one selected.

6. The base station apparatus according to claim 2, wherein the setter comprises:

a comparator that compares channel quality information received at a predetermined point in time

with channel quality information received later than the predetermined point among the plurality of received pieces of channel quality information; and

a varying section that varies the predetermined number corresponding to a result of comparison.

7. The base station apparatus according to claim 1, wherein the setter comprises:

a comparator that compares with a predetermined threshold, an amount of variation in consecutively received two pieces of channel quality information among the plurality of received pieces of channel quality information; and

a determiner that determines a modulation and coding scheme according to a result of comparison.

8. An adaptive modulation method comprising:

a receiving step of receiving channel quality information transmitted from a communication terminal apparatus; and

a setting step of setting a modulation and coding scheme based on a plurality of received pieces of channel quality information.